# WHEEL BEARING DEVICE

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Abstract of **JP2001200314**

PROBLEM TO BE SOLVED: To provide a wheel bearing device to improve the service life level without increasing the size and the weight of the bearing. SOLUTION: In the wheel bearing device comprising a rotary member which comprises a hub ring 1 and an inner ring 20 pressed into an outer circumference of a small diameter end of the hub ring 1, has a plurality of rows of raceway surfaces 18 and 19 on each outer circumference and has the wheel mounted on the hub ring 1, and an outer ring 15 which has a plurality of rows of raceway surfaces 16 and 17 facing the raceway surfaces of the hub ring 1 and the inner ring 20, and is connected and fixed to a knuckle 14 at a vehicle body side and a plurality of rows of rolling elements 21 and 22 interposed between the raceway surfaces of the hub ring 1, the inner ring 20 and the outer ring 15, and rotatably supporting the wheels by the vehicle body, at least the hub ring 1 and the inner ring 20 are formed of 0.60-0.80 wt.% C carbon steel, and a surface hardened layer by the induction hardening is formed on a predetermined portion.